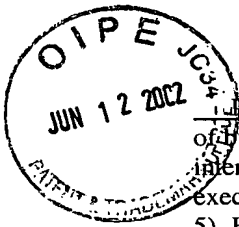


POWER OF ATTORNEY FROM ASSIGNEE



Level 3 Communications, Inc., a corporation of Delaware, having a principal place of business at 1025 Eldorado Boulevard, Broomfield, CO 80021, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on 1) November 19, 2001; 2) February 8, 2001; 3) February 7, 2001; 4) February 8, 2001; and 5) February 8, 2001 of an invention known as Cable Installation (Attorney Docket No. 1757.0260001), which is disclosed and claimed in a patent application of the same title by the inventors 1) Ronald J. Vidal; 2) Paul Alexander; 3) Robert M. Kelly; 4) David Bruton; and 5) Robert Todd (said application filed on November 20, 2001 at the U.S. Patent and Trademark Office, having Application Number 09/988,821).

The Assignee hereby appoint the U.S. attorneys associated with **CUSTOMER NUMBER 28393** to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith, such attorneys currently being: Robert Greene Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michele A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688; Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; John M. Covert, Esq., Reg. No. 38,759; Linda E. Alcorn, Esq., Reg. No. 39,588; Lawrence B. Bugaisky, Esq., Reg. No. 35,086; Donald J. Featherstone, Esq., Reg. No. 33,876; and Robert C. Millonig, Esq., Reg. No. 34,395. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934
U.S.A.

Direct phone calls to 202-371-2600.

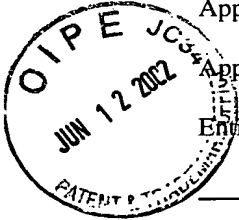
FOR: Level 3 Communications, Inc.
SIGNATURE: x [Signature]
BY: x Robert M. Yates
TITLE: x Vice President
DATE: x May 31, 2002

RECEIVED

JUN 13 2002

OFFICE OF PETITIONS

Certificate Under 37 C.F.R. § 3.73(b)



Applicant/Patent Owner: Vidal et al.

Application No./Patent No.: 09/988,821

Filed/Issue Date: November 20, 2001

Entitled: Cable Installation

Level 3 Communications, Inc.

(Name of Assignee)

, a corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An Assignment from the inventors of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE:] A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: ☒ 5.31.02

Name: ☒ Robert M. Yates

Title: ☒ Vice President / Asst. General Counsel

Signature: ☒ [Signature]

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ASSIGNMENT OF A PROVISIONAL APPLICATION FOR PATENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned: (1) Ronald Joseph Vidal, (2) Paul Alexander, (3) Robert Michael Kelly, (4) David Bruton, and (5) Robert Todd the undersigned hereby sell(s) and assign(s) to Level 3 Communications, Inc. (the Assignee) his/her entire right, title and interest, including the right to sue for and collect for all past, present and future damages,

check applicable box(es)

: for the United States of America (as defined in 35 U.S.C. § 100),
: and throughout the world,

(a) in the invention(s) known as Cable Installation for which a provisional application for patent in the United States of America has been filed on November 21, 2000 (also known as United States Application No. 60/252,130), in any and all non-provisional applications thereon, in any and all Letters Patent(s) granted on such non-provisional applications, and (b) in any and all continuing applications, reissues, extensions, renewals and reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, and (c) in all forms of intellectual and industrial property protection derivable from the above patent application(s), and that are derivable from any and all continuing applications, reissues, extensions, renewals, reexaminations and priority documents of such patent application(s), including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable; such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the provisional application for patent and with any non-provisional continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning any non-provisional continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

**DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION**

Page 2 of 2

The undersigned hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

- (1) Date: 11/19/01 Signature of Inventor: Ronald Joseph Vidal
Ronald Joseph Vidal
- (2) Date: 8 Feb 01 Signature of Inventor: Paul Alexander
Paul Alexander
- (3) Date: 7 Feb 01 Signature of Inventor: Robert Michael Kelly
Robert Michael Kelly
- (4) Date: 8 Feb 01 Signature of Inventor: David Bruton
David Bruton
- (5) Date: 8 Feb 01 Signature of Inventor: Robert Todd
Robert Todd